Index of Claims

Application/Control No. Application/

Restricted

Allowed

Applicant(s)/Patent under Reexamination
TULLER ET AL.
Art Unit

Non-Elected
A Appeal
Interference
O Objected

| Claim                                           | Τ .                                              | :::::                                            | Claim Date                                                                  |                                                                             |              |                |          |                 |          | <b>–</b> 1::: | ::Г             | <u></u>  | aim           | Des                |       |                 |            |          |                |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                  |
|-------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------|----------------|----------|-----------------|----------|---------------|-----------------|----------|---------------|--------------------|-------|-----------------|------------|----------|----------------|---------------|--------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------|
|                                                 | Date                                             |                                                  |                                                                             |                                                                             |              | <del>- "</del> | -        | Date            |          |               |                 |          |               | ╟                  | - 017 |                 | Date       |          |                |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                  |
| Final Original                                  | 2/25/05<br>11/25/05                              |                                                  |                                                                             |                                                                             |              | Final          | Original |                 |          |               |                 |          |               |                    |       | Final           | Original   |          |                |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                  |
|                                                 | <b>4</b>                                         |                                                  |                                                                             |                                                                             |              |                | 51       |                 |          |               |                 | $\top$   | 11            | -                  | ┢     |                 | 101        | Ħ        | 7              | _             | +            | $\dagger$ | ╅┈                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | +-              | <del> </del>                                     |
|                                                 | <b>V</b>                                         |                                                  |                                                                             |                                                                             |              |                | 52       |                 |          |               |                 |          |               |                    |       |                 | 102        |          | ヿ              | ヿ             | $\top$       | 十         | $\top$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | T               | t                                                |
| 3                                               | NN                                               | $\sqcup \sqcup$                                  | $\dashv$                                                                    | 44                                                                          |              |                | 53       |                 |          | $\perp$       |                 |          |               |                    |       |                 | 103        |          |                |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | $\top$          | Г                                                |
| 4                                               | N N                                              | <b></b>                                          |                                                                             |                                                                             |              |                | 54       | $\sqcup$        | _        | 4_            | $\vdash$        |          | $\sqcup$      | _                  | L     |                 | 104        | $\Box$   |                |               |              | $\perp$   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | $\prod$         |                                                  |
| 5                                               | N N                                              | ╀┼┼┼                                             |                                                                             | $-\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$ |              |                | 55       | $\sqcup$        | _        | +-            | $\sqcup$        | _        | $\perp \perp$ | _                  | L     |                 | 105        | Ц        | _]             | $\perp$       |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | oxdot           |                                                  |
| <del>                                    </del> | 112                                              | ++-1                                             | +                                                                           | ┤┤                                                                          |              |                | 56<br>57 | Н               | +        | +             | $\vdash$        | +-       | ++            |                    | ŀ     |                 | 106        |          | -              | 4             | $\downarrow$ | 4         | ╀-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╄-              | L                                                |
| 8_                                              | 177                                              | <del>                                     </del> | +                                                                           | $\dashv\dashv$                                                              |              |                | 58       | $\vdash$        | +        | ┿             | ╁               | +        | +             |                    | ╠     |                 | 107        | $\dashv$ | -              | -             | +            | 4-        | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 丰               | ـ                                                |
|                                                 | 17/2                                             | <del>                                     </del> | _                                                                           | +                                                                           |              | _              | 59       | $\vdash$        | +        | ╁             | ┯               | +        | ++            |                    | ╠     |                 | 108        | $\vdash$ | -+             | ᅪ             |              | +         | ┿                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ╁               | ┾                                                |
| 10                                              | V                                                |                                                  |                                                                             | $\dashv$                                                                    |              |                | 60       | $\Box$          | +        | +             | $\vdash$        | +        | ╁┼            | -                  | ╟     |                 | 110        | $\vdash$ | -+             | $\dashv$      | +            | +         | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ╁               | ⊢                                                |
| 11                                              | NN                                               |                                                  |                                                                             |                                                                             |              |                | 61       | П               | 7        | +             | $\Box$          | $\dashv$ | 11            |                    | ╟     |                 | 111        | $\dashv$ | +              | $\dashv$      | +            | ╅         | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ╁               | ⊢                                                |
| 12                                              | NN                                               |                                                  |                                                                             |                                                                             |              |                | 62       |                 |          |               |                 |          |               | ₩                  | 1     |                 | 112        |          | 7              | $\dashv$      | 十            | +         | ╅                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ✝               | $\vdash$                                         |
| 13                                              | NN                                               | $\Box$                                           | $-\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$ |                                                                             | <b>     </b> |                | 63       | П               | $\perp$  | $\perp$       |                 | $\perp$  |               |                    |       |                 | 113        |          |                |               | _            | +         | $\top$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | T               |                                                  |
| 14                                              | 1/1/                                             | $\square$                                        |                                                                             |                                                                             |              |                | 64       | $\sqcup$        | $\perp$  | ↓_            | $\sqcup$        | 丄        |               | _                  |       |                 | 114        |          |                | $\Box$        | $\perp$      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                  |
| 15<br>16                                        | 12                                               | +++                                              | $\dashv$                                                                    | $\dashv$                                                                    |              |                | 65       | ⊢┼              | 4        | +             | $\vdash$        | +        | ++            | _                  | L     |                 | 115        |          | I              | $\bot$        | $\perp$      | Ţ         | $\perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 匚               | 匚                                                |
| 17                                              |                                                  | ┨┤                                               |                                                                             | $\dashv\dashv$                                                              |              |                | 66<br>67 | Н               | +        | ┿             | ⊢⊹              |          | ++            | -                  | -     | _               | 116        | _        | <del> </del> - | 4             | 4            | 4         | ╀                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ╄               | ㄴ                                                |
| 18                                              | <del>                                     </del> | ╀┼┼                                              | $\dashv$                                                                    | +                                                                           |              |                | 68       | $\vdash$        | +        | ╁             | H               | +        | ╁┼            |                    | -     | $\dashv$        | 117        | $\dashv$ | -              | +             | +            | +         | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 丨               | ــ                                               |
| 19                                              |                                                  |                                                  | $\dashv$                                                                    | $\dashv$                                                                    |              |                | 69       | $\vdash$        | ╌┼╴      | +             | $\vdash$        | ╅        | 1+            | -                  | ⊦     |                 | 118<br>119 |          | -              | +             | +            | +         | +-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╀               | ⊢                                                |
| 20                                              |                                                  |                                                  | $\dashv$                                                                    | $\neg$                                                                      |              |                | 70       |                 | +        | -             | $\vdash$        | +        | 1-1           | $\dashv \parallel$ | H     |                 | 120        | $\dashv$ | +              | +             | +            | ╁         | +-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╁               | Н                                                |
| 21                                              |                                                  |                                                  |                                                                             | $\top$                                                                      |              |                | 71       | Ħ               | _        | ✝             | $\Box$          | 1        | $\vdash$      | ┦Ш                 | ۲     | $\dashv$        | 121        | $\dashv$ | $\dashv$       | +             | +            | ╅         | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ╁               | ┝┈                                               |
| 22                                              |                                                  |                                                  |                                                                             |                                                                             |              |                | 72       |                 |          |               | П               |          | $\sqcap$      | 7                  | Γ     | $\neg \uparrow$ | 122        | $\dashv$ | 7              | 7             | ╅            | +         | ╅╴                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ${}^{\dagger}$  | Н                                                |
| 23                                              | - -                                              | $\sqcup \bot \sqcup$                             | -                                                                           | $\perp \!\!\! \perp \!\!\!\! \perp$                                         |              |                | 73       |                 | $\perp$  |               |                 |          |               |                    | Г     |                 | 123        |          | $\neg$         | $\dashv$      | $\top$       | ╅         | 十                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $\vdash$        | ┢                                                |
| 24                                              |                                                  |                                                  |                                                                             | 44                                                                          | ١            |                | 74       | Н               |          | $\perp$       | Ш               | $\perp$  |               |                    | L     | $\Box$          | 124        |          |                | $\Box$        |              | I         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                  |
| 25<br>26                                        |                                                  | $\vdash$                                         |                                                                             | $\dashv$ $\dashv$                                                           | }            |                | 75       | Н               | +        | 4-4           | $\sqcup$        | 4        | ++            | _                  | L     |                 | 125        | _        | _              | $\bot$        |              |           | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}$ |                 |                                                  |
| 27                                              |                                                  | <del>                                     </del> |                                                                             |                                                                             |              |                | 76<br>77 | $\vdash$        | +        | +             | ┝┼              | -        | 1-1-          | -                  | L     |                 | 126        | -        | -              | 4             | _            | 4         | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ₋               |                                                  |
| 28                                              |                                                  | <del>                                     </del> | $\dashv \dashv$                                                             | $\dashv$                                                                    | iii b        | $\dashv$       | 78       | H               | ┿        | +-            | -               | ┿        | ╁┼            | -                  | ⊩     |                 | 127<br>128 | $\dashv$ | $\dashv$       | +             | +            | +         | +-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╀╌              | $\vdash$                                         |
| 29                                              |                                                  |                                                  | $\dashv$                                                                    | $\dashv \dashv$                                                             |              | $\neg \dashv$  | 79       | $\vdash$        | - -      | +             | -               |          | ╁┼            | $\dashv$           | ┝     | -               | 129        | ┥        | $\dashv$       | +             | +            | +         | ┿                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ╁╌              | _                                                |
| 30                                              |                                                  |                                                  |                                                                             | $\neg \Box$                                                                 |              |                | 80       | $\vdash$        | $\dashv$ | $\vdash$      | T               | +        | $\vdash$      | -                  | ۲     | $\dashv$        | 130        | ┪        | ┰              | +             | - -          | ╁         | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ╁╌              |                                                  |
| 31                                              |                                                  |                                                  |                                                                             |                                                                             |              |                | 81       |                 |          |               |                 | ╅╴       | $T^{\dagger}$ |                    | ۲     | _               | 131        | 7        | $\dashv$       | 十             | 十            | +         | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ╁               | ┢                                                |
| 32                                              |                                                  |                                                  |                                                                             |                                                                             |              |                | 82       |                 |          |               |                 |          |               |                    | ۲     | $\neg$          | 132        | $\neg$   | 十              | 十             | +            | +         | ╁┈                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ┯               | <del>                                     </del> |
| 33                                              |                                                  | $\sqcup \sqcup$                                  | +                                                                           | $\perp \!\!\! \perp \!\!\! \perp$                                           |              |                | 83       | $\Box$          | $\perp$  | П             |                 | I        |               |                    |       |                 | 133        |          | ⇉              | 丁             |              | I         | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Г               |                                                  |
| 34                                              |                                                  | H                                                |                                                                             | $\dashv$                                                                    | :::          |                | 84       | $\sqcup$        | $\bot$   | Ш             | $\Box$          | $\perp$  | $\Box$        | _]                 | L     | $\Box$          | 134        |          | $\Box$         | $\Box$        | $\perp$      | Ι         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Γ               |                                                  |
| 35<br>36                                        | <del>                                     </del> | $\vdash\vdash\vdash$                             | ++                                                                          | -                                                                           |              |                | 85       | $\vdash \vdash$ | +        | +             | $\sqcup$        | +-       | +             | _                  | L     | [               | 135        | $\Box$   | $\bot$         | $\bot$        | $\bot$       | I         | Ţ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                  |
| 37                                              | <del>                                     </del> | $\vdash \vdash \vdash$                           | $\dashv \dashv$                                                             |                                                                             |              |                | 86<br>87 | $\vdash$        |          | +             | $\vdash$        | +        | ++            | -                  | -     | _               | 136        | 4        | $\dashv$       | 4             | 4            | +         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | $\bot$          | L                                                |
| 38                                              | <del> - - -</del>                                | $\vdash$                                         | ++                                                                          | $\dashv \dashv$                                                             | H            |                | 88       | $\vdash$        | +        | +             | +               | +        | ╂┼            | -                  | -     | -               | 137        | +        |                | $\dashv$      | +            | +         | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ـــا            | <b>—</b>                                         |
| 39                                              |                                                  |                                                  | -+-+                                                                        | $\dashv \dashv$                                                             | ı            |                | 89       | - -             | +        | +             | $\vdash \vdash$ | +        | ╂┼┼           | -                  | H     |                 | 138<br>139 | $\dashv$ | +              | +             | +            | +-        | +-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ⊣               | -                                                |
| 40                                              |                                                  |                                                  | -1+                                                                         | $\neg \vdash \vdash$                                                        | ı            |                | 90       | $\vdash$        | +        | Н             | $\vdash \vdash$ | $\top$   | 1 +           | -                  | ۲     | $\dashv$        | 140        | $\dashv$ | $\dashv$       | +             | +            | +         | +-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╁               | $\vdash$                                         |
| 41                                              |                                                  |                                                  |                                                                             |                                                                             |              |                | 91       |                 |          | $\top$        | $\dashv$        | $\top$   | 11            |                    | ۲     | -+              | 141        | $\dashv$ | $\dashv$       | $\dashv$      | +            | +         | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $\vdash$        | <del> </del>                                     |
| 42                                              | $\Box$                                           |                                                  |                                                                             |                                                                             | ]            |                | 92       | $\Box$          |          |               |                 | I        |               |                    | 1     |                 | 142        | $\neg$   | ┪              | 十             | 十            | †         | 十                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $\sqcap$        | $\vdash$                                         |
| 43                                              | <del>        -</del>                             | $\sqcup \bot \bot$                               | +                                                                           |                                                                             | [            | $\Box$         | 93       | Ц               |          | П             | $\Box$          | $\top$   |               |                    |       |                 | 143        | $\Box$   | I              | $\Box$        | $\perp$      | I         | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 | $\Box$                                           |
| 44                                              | <del>-   -   -</del>                             | - -                                              |                                                                             |                                                                             | ŀ            |                | 94       | $\vdash$        | +        | $\sqcup$      | $\sqcup$        | $\bot$   | $\sqcup I$    | _                  | L     |                 | 144        | $\Box$   | I              | $\Box \Gamma$ | I            | I         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                  |
| 45                                              |                                                  | $\vdash$                                         | +                                                                           |                                                                             | ŀ            |                | 95       | $\dashv$        | +        | +             | -+              | +        | $\sqcup$      | 4                  | L     |                 | 145        | _[       | $\perp$        | $\perp$       | $\perp$      | $\perp$   | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\square$       |                                                  |
| 47                                              | <del></del>                                      | $\vdash \vdash \vdash$                           | ++                                                                          | +                                                                           | ⊪ŀ           | $\dashv$       | 96<br>97 | +               | ╫        | ┼┤            | -               | +        | ╁             | -                  | L     | _               | 146        | 4        | 4              | $\bot$        | 4            | 1         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Ш               | Ц                                                |
| 48                                              | <del>-   -   -  </del>                           | ┝┼┼                                              |                                                                             | +                                                                           | ⊪⊦           |                | 98       | $\dashv$        | +        | ╁┤            | +               | +-       | ┿             |                    | L     | $\dashv$        | 147        | $\dashv$ | -              | $\bot$        | 4            | 1         | $\bot$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Ш               |                                                  |
| 49                                              | <del></del>                                      | ┝╌┼╍╃                                            | -+-+                                                                        | +                                                                           | ⊪⊦           |                | 99       | $\dashv$        | +        | ₩             | +               | +-       | ╀┼            | -                  | L     |                 | 148        | +        | +              | 4             | 4            | +         | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ⊢               | Щ.                                               |
| 50                                              |                                                  |                                                  | ++                                                                          | +                                                                           | ⊪⊦           | $\dashv$       | 100      | +               | +-       | ╁             | +               | ╁        | 1-1           | -                  | ┝     | $\dashv$        | 149<br>150 |          | ┵              | +             | +            | ╄         | +-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash \vdash$ | Щ                                                |
|                                                 |                                                  | للسلب                                            |                                                                             | ;                                                                           | ····:        |                | 100      |                 |          |               | L_              |          |               | ::::               | :L    |                 | 150        | $\perp$  | $\perp$        | $\perp$       |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 . !           | 1                                                |